Context-Driven Infospace Configuration for Augmented Cognitive Readiness

Goal :

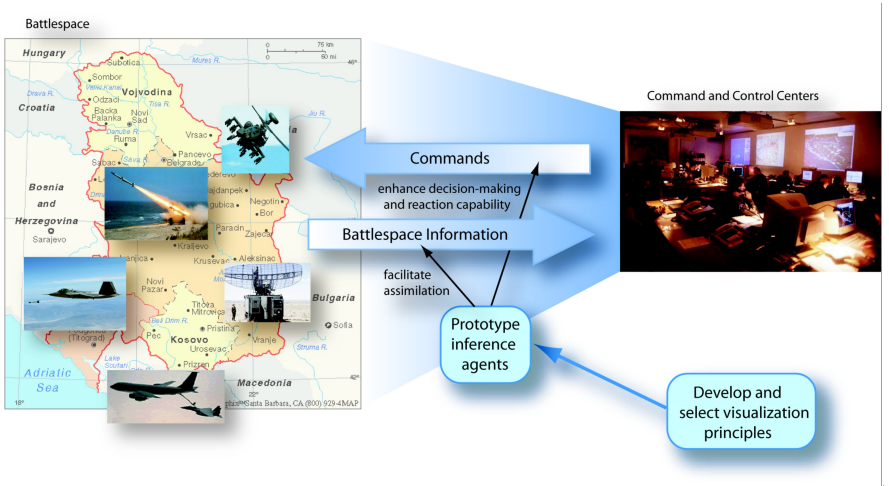
- To enhance cognitive readiness using software agents and a human cognitive modelling representation framework for the management and presentation of critical information. By continuously evaluating the gap between the information requirements and the current context , information is configured and presented to facilitate user's ability to assimilate knowledge to optimize performance.

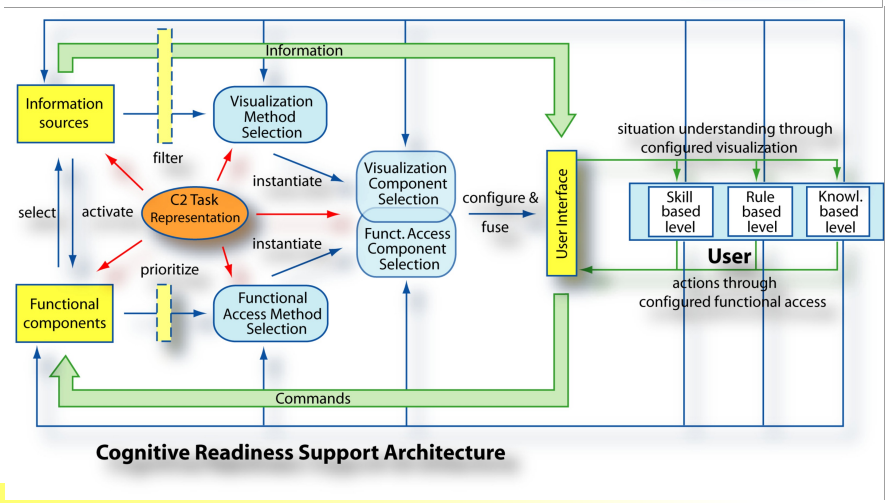
TECHNICAL APPROACH

- Automated inference of the situation awareness objectives and the tasks that need to be addressed by the warfighter
- Model-based selection and integration of visualization and function access methods to provide the warfighter with a mission- and user-centric 'work desktop' (infospace)
- Geospatial representation of the mission
- User-centered infospace configuration overlay to the Theater Battlespace Management Core System Environment

KEY TECHNOLOGIES

- Agent-Based Architectures
- A Mission-centric user modeled interface
- Automated mission analysis tools





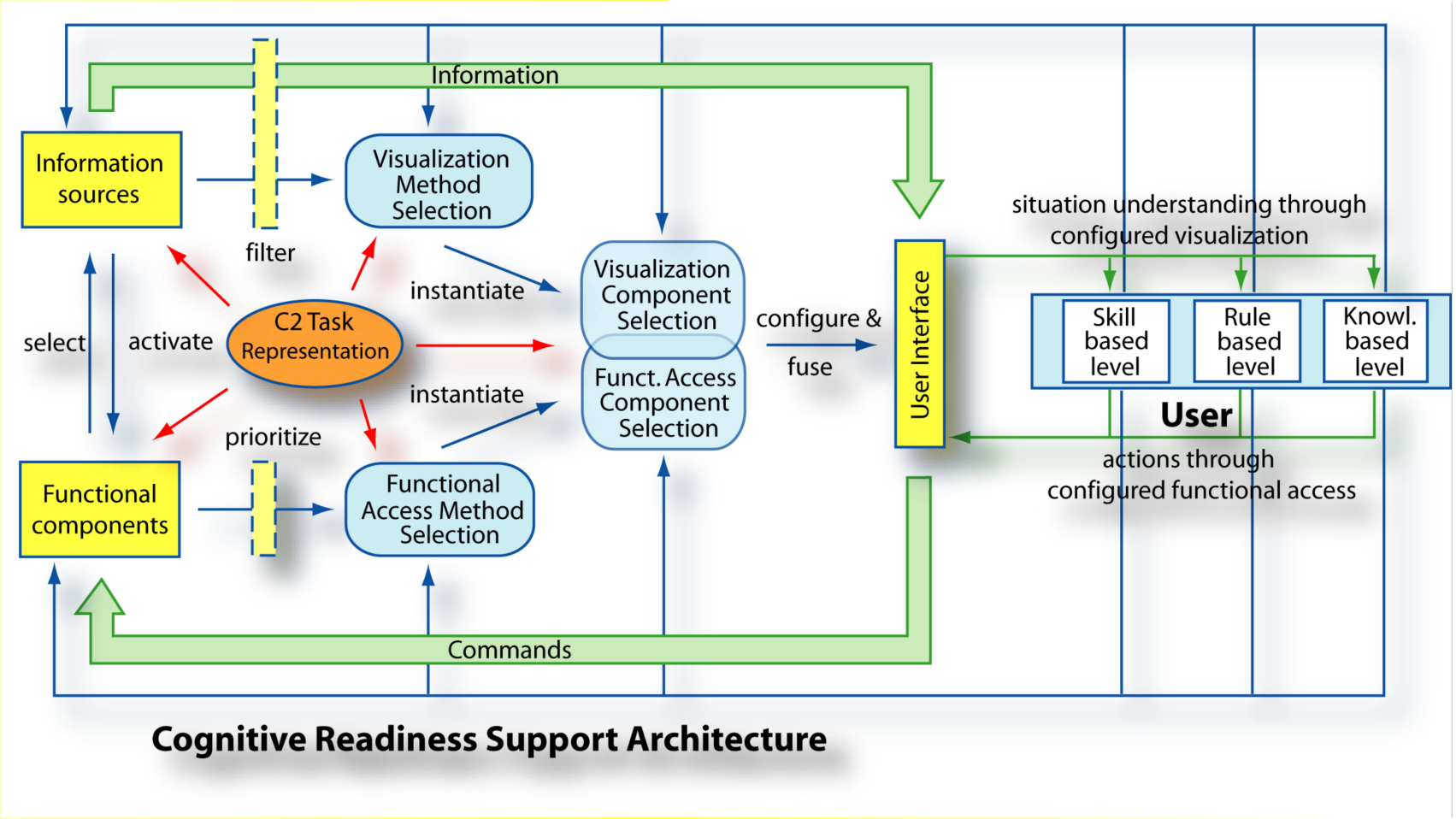
Cognitive Readiness Support Architecture

Sponsor

- **Office of the Secretary of Defense**

Developer

- **USAF AFRL/IFED**



Cognitive Readiness Support Architecture